**Maximum Index**

To get comfortable with arrays, you and Vasya decided to practice using simple algorithms. Vasya wrote a method for finding the minimum in an array:

static double Min(double[] array)

{

var min = double.MaxValue;

foreach (var item in array)

if (item < min) min = item;

return min;

}

And you have a more difficult task - to write a method for finding the index of the maximum element. That is, such a number i that array [i] is the maximum of the numbers in the array.

If the maximum element occurs several times in the array, the minimum index should be printed.

If the array is empty, output -1.

public static int MaxIndex(double[] array)

{

}

**Code:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace umop5.\_3zMaximumIndex

{

class Program

{

static void Main(string[] args)

{

double [] array= new[] { 1.0, 2.8, 3, 10, 18, 10, 2, 18 };

Console.WriteLine(Min(array));

Console.WriteLine(MaxIndex(array));

Console.ReadKey();

}

static double Min(double[] array)

{

var min = double.MaxValue;

foreach (var item in array)

if (item < min) min = item;

return min;

}

public static int MaxIndex(double[] array)

{

double max = 0;

int indexMax=-1;

for (int i=0; i<array.Length; i++)

{

if (array[i] > max)

{

max = array[i];

indexMax = i;

}

}

return indexMax;

}

}

}